

10/587861

IAP5 Rec'd PCT/PTO 28 JUL 2006

Customer No. 22,852
Attorney Docket No. 04173.0520

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Hideshige MORIYAMA, et al.)
) Group Art Unit:
Application No.: Not Yet Assigned)
) Examiner:
Filed: July 28, 2006)
)
For: **SYSTEM AND METHOD FOR**)
 RECOVERING CARBON)
 DIOXIDE IN EXHAUST GAS)

**U.S. NATIONAL PHASE OF INTERNATIONAL APPLICATION NO.
PCT/JP2005/001229**

MAILSTOP PCT

**Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§1.56 and 1.97(b), applicants bring to the Examiner's attention the documents listed on attached Form PTO/SB/08 and cited in the international search report. Copies of the listed foreign patent and non-patent literature documents are attached. Applicants respectfully request that the Examiner consider the documents listed on attached Form PTO/SB/08 and indicate that they were considered by making an appropriate notation on this form.

This Information Disclosure Statement is being filed with the above-referenced application.

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The following is a concise statement of relevance of the non-English language documents:

1. Japanese Patent Disclosure No. JP 2002-126439 discloses a flue-gas carbon dioxide separation and recovery system in which amine solution is employed as the carbon dioxide absorbent and the solution pool is not employed. An English language abstract of this document is enclosed. The relevance of this document is also discussed at pages 1 and 4 of the specification of the present application.
2. Japanese Patent Disclosure No. JP 4-346816 discloses a CO₂ separation and recovery system in which K₂CO₃ solution is employed as the CO₂ absorbent and the solution pool is not used. An English language abstract of this document is enclosed. The relevance of this document is also discussed at pages 1 and 4 of the specification of the present application.
3. Japanese Patent Application No. JP 2005-8478. An English language abstract of this document is enclosed.
4. Japanese Patent Application No. JP 55-97227. An English language abstract of this document is enclosed.
5. Belgium Patent Application No. BE 884129.

In lieu of a statement of relevance or the translation of the non-English documents 2-5, enclosed is an English-language international search report from the Japanese Patent Office in the PCT international application, from which this national

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phase U.S. application is derived, citing these documents and setting forth the relevance thereof.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: July 28, 2006

By: 

Richard V. Burgujian
Reg. No. 31,744

Enclosures
RVB/FPD/rac

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Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	10/587861	
			Filing Date	July 28, 2006	
			First Named Inventor	Hideshige MORIYAMA	
			Art Unit		
			Examiner Name		
Sheet	1	of	1	Attorney Docket Number	04173.0520

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials	Cite No. ¹	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/T.V./		US-6,784,320 B2	08-31-2004	MIMURA, ET AL.	
/T.V./		US-2004/0092774 A1	05-13-2004	MIMURA, ET AL.	
/T.V./		US-4,180,548	12-25-1979	SAY, ET AL.	
/T.V./		US-4,292,286	09-29-1981	SAY, ET AL.	
		US-			
		US-			

Note: Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
/T.V./		JP 2002-126439	05-08-2002	MIMURA, ET AL.		ABSTRACT
/T.V./		JP 4-346816	12-02-1992	TAKASHINA, ET AL.		ABSTRACT
/T.V./		CA 2 393 626 A1	05-02-2002	ISHIDA, ET AL.		
/T.V./		EP 1 334 759 A1	08-13-2003	MIMURA, ET AL.		
/T.V./		JP 2005-8478	01-13-2005	MORIYAMA, ET AL.		ABSTRACT
/T.V./		JP 55-97227	07-24-1980	EXXON RESEARCH & ENGINEERING CO.		NO
/T.V./		EP 0 013 151 A1	07-09-1980	SAY, ET AL.		
/T.V./		BE 884129 A	05-01-1981	EXXON RESEARCH & ENGINEERING CO.		NO
/T.V./		CA 1 124 487	12-21-1979	SAY, ET AL.		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶
/T.V./		MIMURA, ET AL., "Method and apparatus for recovering amine and system for removing carbon dioxidecomprising the apparatus", Patent No. AU1092402, family of JP-A 2002-126439, (May 6, 2002)	
/T.V./		MIMURA, ET AL., "Amine recovery method and apparatus and decarbonation apparatus having same", Patent No. NO 20023053, family of JP-A 2002-126439, (August 14, 2002)	
/T.V./		MIMURA, ET AL., "Method of Extraction of Aminicompound from Accompanying Decarburized Exhaust Gas in a Column of Absorption", Patent No. RU 2230599, family of JP-A 2002-126439, (January 10, 2004)	
/T.V./		SAY, ET AL., "Process for selective removal of cyclic urea from hindered amine gas treating solution", Patent No. DE 2966382 D, family of JP 55-97227, (December 8, 1983)	
		SAY, ET AL., "Removal of cyclic urea from gas scrubbing solution", Patent No. AU 54159/79, family of JP 55-97227, (June 26, 1980)	

Examiner Signature	/Timothy Vanoy/	Date Considered	06/25/2008
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.V./